Operation and Care Manual

The Legacy Chair

Model N TYPE II

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TPW1689 Rev. B

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Introduction

This publication is a user's manual containing all the information you will need to operate and care for your Legacy Chair. Before operating your chair, please read this manual to become familiar with its special features and functions.

The Legacy Chair provides exceptional comfort and support during procedures. The chair is fully adjustable, from upright to supine, to ensure maximum patient comfort and ready access to the patient by the operator.

Designed for reliability and simplicity of function, your chair will provide you with years of service with a minimal amount of maintenance.

Label Definitions

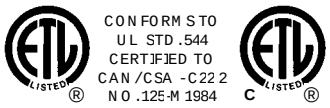
Hazards which result in severe personal injury or death.

Hazards which could result in personal injury.

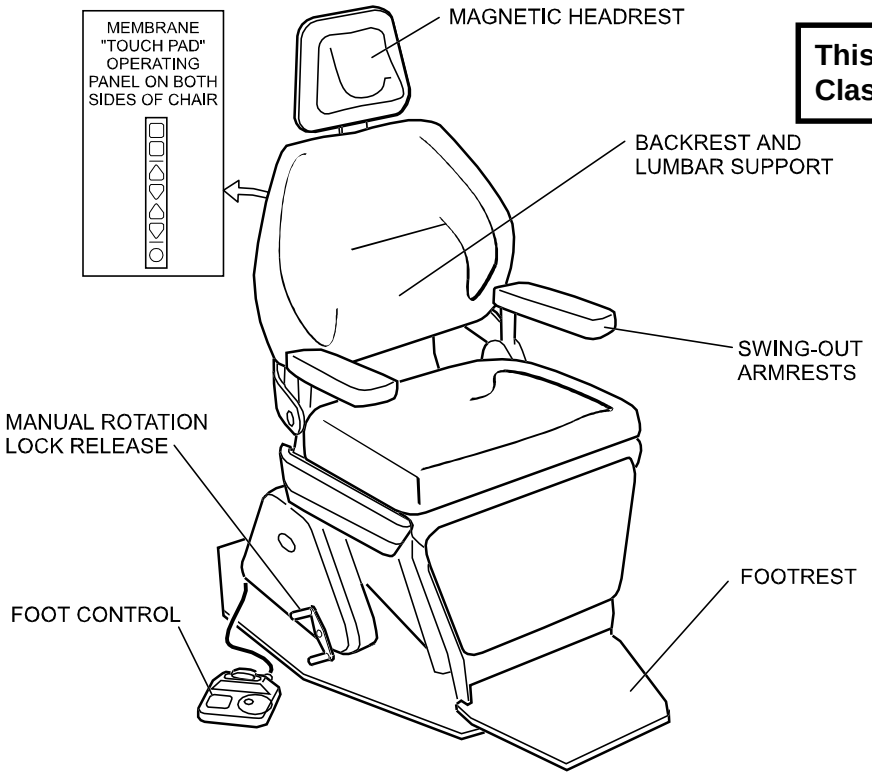
Hazards which could result in equipment or property damage.

Alert user to pertinent facts and conditions.

“DANGER - EXPLOSION HAZARD - DO NOT USE THIS EQUIPMENT IN THE PRESENCE OF FLAMMABLE ANESTHETICS”



Controls and Components



This equipment is rated Class I, Type B

The components and controls identified are described below. Read the descriptions carefully to familiarize yourself with these components

MAGNETIC HEADREST - provides comfortable support for the patient's head and neck throughout the dental procedure.

BACKREST AND LUMBAR SUPPORT - a contoured seamless seat and lumbar cushion support for the patient's back.

SWING-OUT ARMRESTS - provide easy access to or from the chair on either side.

MANUAL ROTATION LOCK RELEASE - Located at the lower right side of the chair (can be relocated for left hand set up), this lever allows the operator to rotate the chair base 360° and lock it in place at the desired position.

STANDARD MEMBRANE "TOUCH PAD" OPERATING PANEL - Located on both sides of the chair back, these panels duplicate the functions of the foot control.

OPTIONAL UNIT MOUNTED CHAIR CONTROL - Located on the unit head, this panel duplicates the functions of the foot control.

FOOT CONTROL - controls the proper positioning of the chair. It also provides two automatic positions - auto exit and programmable operation.

FOOTREST - provides sturdy foot support. Remains horizontal as the chair is reclined.

Requirements

PHYSICAL REQUIREMENTS

The illustration below shows the basic space requirements of your Legacy Chair. The chair should be at least 18 inches from the nearest wall, cabinet, or any permanent fixture when in the fully reclined position. Note that the chair seat moves back 4-1/2 inches as the base is raised.

ELECTRICAL REQUIREMENTS:

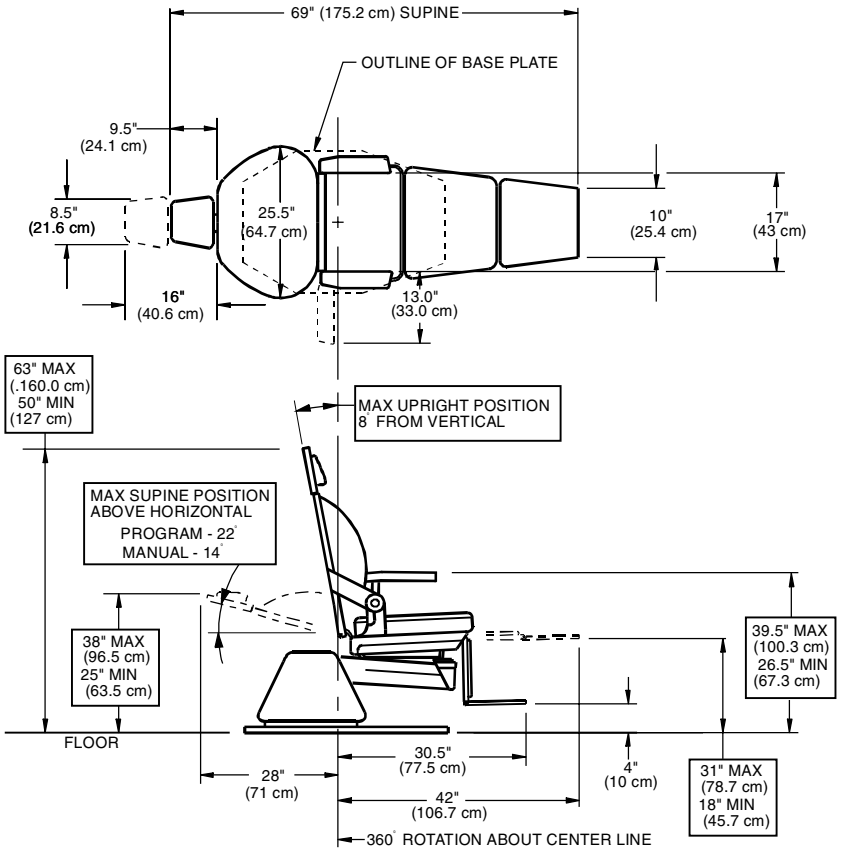
Before connecting the line cord to an appropriate receptacle, make certain that the circuit is protected by a 15-amp circuit breaker for 120-VAC models, or a 7.5-amp breaker for 240-VAC models. Ensure that all wiring is grounded and all electrical codes are observed.

WARNINGS

WARNING - Potential shock hazard with possible personal injury. To reduce shock hazard, observe all electrical codes.

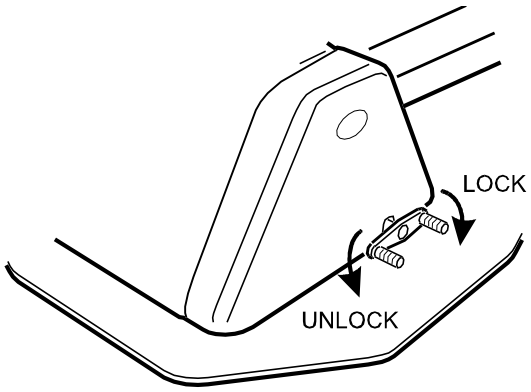
WARNINGS

WARNING - To disconnect power to the chair, you must unplug the power cord from the electrical outlet.



Operation

The Legacy Chair is designed for convenient operation. This section will explain in detail the functions of the electrical and manual controls. Refer to page 2 for a general description and location of these controls.

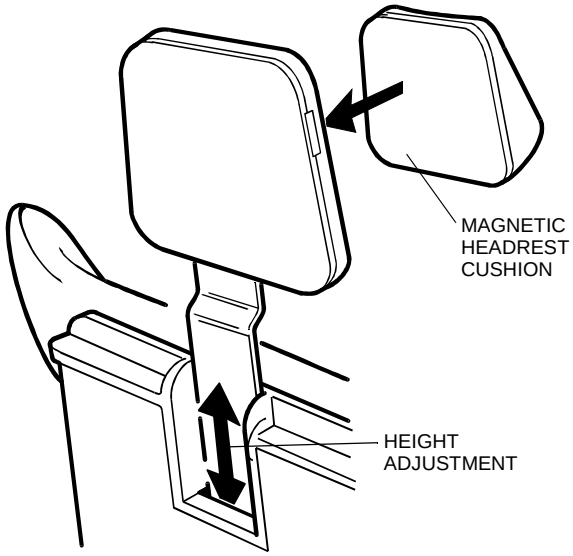


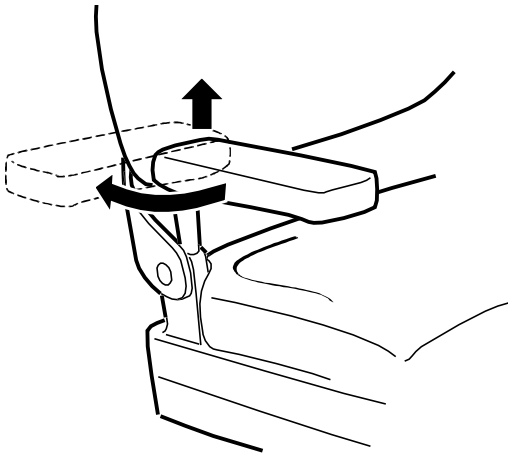
ROTATION LOCK RELEASE

The chair will rotate at its base 360^0. Press the left hand side of the rotation lock release and rotate the chair to the desired position. Lock the chair in place by depressing the right-hand side of the lock release.

STANDARD MAGNETIC HEADREST

The headrest height can be easily adjusted by simply pulling out or pushing in on the headrest assembly. The cushion is held to the headrest by a magnet and can be positioned as desired.

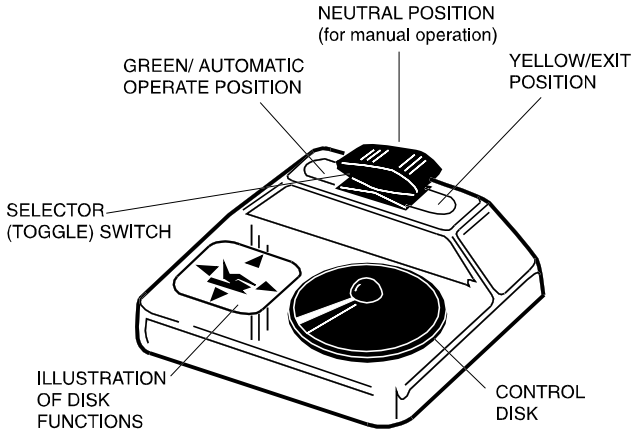




SWING OUT ARMREST

Grasp the armrest with both hands and pull up and then swing it out away from the chair. With the patient seated, push the armrest back until it locks in place.

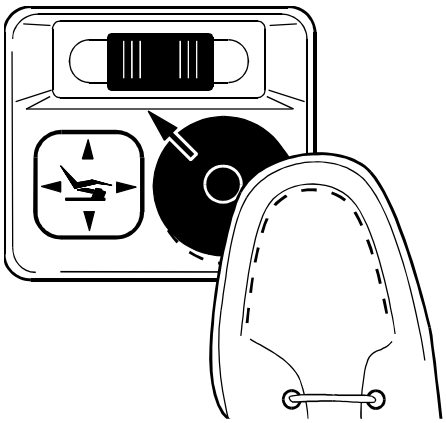
Operation



FOOT CONTROL OPERATION

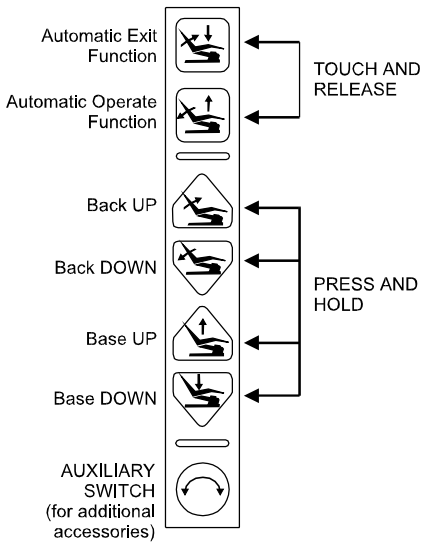
The foot control duplicates the function of the Membrane "Touch Pad" panel (See next page), but is actuated by the operator's foot. Consisting of a selector (toggle) switch and a control disk, the foot control is operated as follows:

- The Selector Switch toggles from its neutral position to the automatic operate (green) **or** automatic exit (yellow) positions.
- The Automatic Operate position is actuated by momentarily pressing and releasing the selector switch to the position indicated in green.
- The Automatic Exit position is actuated by momentarily pressing and releasing the selector switch to the position indicated in yellow.
- To manually position the chair, actuate and hold the control disk to the desired quadrant. For example, sliding the disk to the left will actuate the back-down position.



- Two functions can be actuated simultaneously by sliding the disc in a diagonal direction. For example, the illustration to the left shows the simultaneous actuation of the back-down and base-up functions.
- Releasing the disk stops the movement of the chair.

Operation



MEMBRANE "TOUCH PAD" CONTROL PANEL

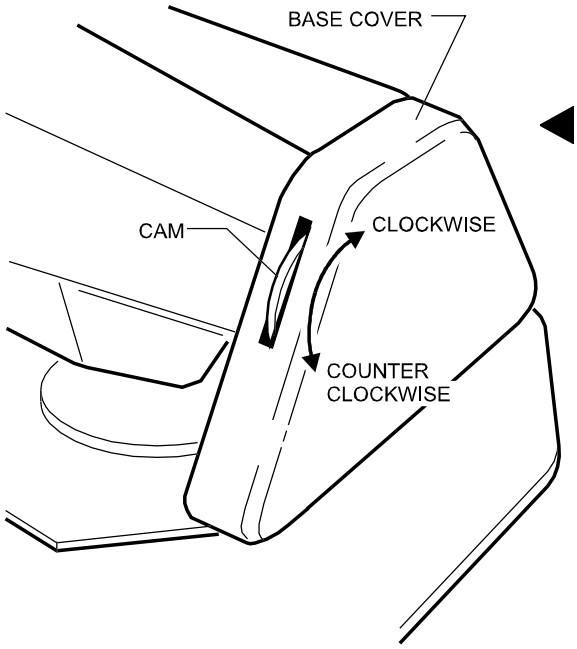
The Membrane "Touch Pad" Control panel is located on both sides of the chairback. The panel allows the operator to control the position of the chair from either side of the chair back, as well as by use of the foot control. The panel allows the operator to incline or recline the chair back or move the seat up or down by pressing the appropriate touch pad switch, holding it until the chair or back has achieved the desired position. The Automatic Operate/ Exit Function switches are programmed settings that adjust the chair to the predetermined position. These two switches are actuated by momentarily pressing and releasing the appropriate switch.

WARNINGS

WARNING: Once they are actuated, the Automatic Exit and the Automatic Operate functions may be stopped by momentarily depressing any switch on the touch pad control panel or actuating any function on the foot control.

Limit Switch Operation and Settings

The automatic chair control system provides Automatic Operate and Automatic Exit functions. The Automatic Exit function (yellow switch position on foot control; top membrane touch pad position) is preset at the factory and is not adjustable. The Automatic Operate position (green switch position on foot control; second from top membrane touch pad position) is readily programmed using the following procedures:



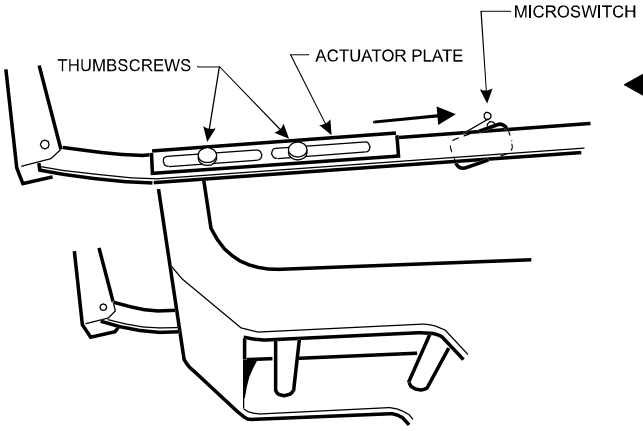
BASE PROGRAMMING PROCEDURE -

The base adjustment is provided by a cam located on the left side of the base cover.

1. Rotate the cam protruding from the base cover counter clockwise until it stops.

2. Move the chair base to the desired position by means of the touch pad switches.

3. Rotate the cam clockwise until the switch clicks, which completes the procedure.



BACK PROGRAMMING PROCEDURE -

The back adjustment is located under the seat on the right side of the chair.

1. Loosen the thumbscrews. Move the actuator plate all the way to the left and tighten the thumbscrews.

2. Move the chair back to the desired position by means of the manual touch pad switches.

3. Loosen the thumbscrews, then move the actuator plate until the front edge contacts the microswitch.

4. When the actuator plate is in position, tighten the thumbscrews.

Cleaning and Maintenance

After installation has been completed, thoroughly clean the chair and upholstery. After the initial cleaning, it should be cleaned as necessary and **at least weekly**. Observe the following instructions.

A NOTE ABOUT THE UPHOLSTERY: All Knight Chair upholstery is made from the highest quality materials available and is designed for maximum patient comfort, easy cleaning and durability. Knight Chair upholstery will provide years of service when correctly maintained according to the Operator and Care Manual. Like all fine upholstery some minor wrinkles, waves or changes may occur. These changes are natural and in no way affect the performance or life of the product.

CLEANING THE UPHOLSTERY

When cleaning upholstery, it is suggested that you use all recommended commercial cleaning agents in an inconspicuous spot to check for potential damage to the upholstery material before applying to the entire area to be cleaned. For everyday cleaning, we recommend a mild dish washing liquid, warm water, and a damp white cloth. Spraying upholstery with a silicone-based coating will improve luster and soil resistance.

CLEANING PAINTED SURFACES

The painted metal surfaces are covered in durable, powder-coated paint which is resistant to scratching and scuffing. It may be cleaned with a clean cloth dampened with mild, soapy water. To add luster and dirt resistance, use a pre-softened car wax.

RECOMMENDED INFECTION CONTROL PRODUCTS

The disinfectant/cleaner products that we have tested and recommend for our upholstery, painted items and plastic covers are as follows:

Cavicide
distributed by E&D Dental Products Inc., Westfield, NJ

Precise - Hospital Foam Cleaner Disinfectant
manufactured by Caltech Industries, Inc., Midland, MI

CAUTION: Follow manufacturer's directions for concentration and application of disinfecting material. Avoid prolonged application of any disinfectant/ cleaner products, because they may cause staining of upholstery material.

TROUBLESHOOTING

Only in case of no power to the chair should dental personnel attempt to remedy the problem. In this case, (1) make sure that the power cord is firmly plugged into the receptacle or (2) check that the main circuit breaker to the chair is turned on.

CAUTION: All troubleshooting and maintenance on the chair should be performed by a qualified technician. Dental personnel must not attempt to perform any maintenance functions on the chair, attempt to replace any fuses or other electronic components, or attempt to gain access to the motors or other units.

LUBRICATION

After extended use your chair may require lubrication at pivot joints (i.e. chair back pivot joint). Lubricate the joints with a drop of light weight oil or silicone lubricant.

Warranty

WARRANTY

Knight Mfg. Inc. products are warranted against defect in material and workmanship for a period of 2 years, unless otherwise indicated in writing, from the time of delivery.

Exceptions:

1) "KINK-VALVE" module carries a 10 year warranty.
2) The original light bulb on a new light carries a 1 year warranty.
3) Accessories not manufactured by Knight are excluded (i.e. Fiber optic systems, Scalers, Electric micromotor systems, Curing light systems, X-ray viewers, etc.)
4) Replacement parts and accessories carry a 90 day warranty.

Knight's sole obligation under the warranty is either to provide parts for the repair or to provide the replacement product (excluding labor and shipping). The buyer shall have no other remedy. All special, incidental and coincidental damage is excluded. Written notice of breach of warranty must be given to Knight within the warranty period.

The warranty does not cover damage resulting from improper installation or maintenance, accident or misuse. The warranty does not cover damage resulting from the use of cleaning, disinfecting or sterilization chemicals and processes.

No other warranties as to merchantability, fitness for use or otherwise are made.

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